

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061377.D
 Acq On : 8 May 2020 21:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 12:36:52 PM

Quant Time: May 11 04:50:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	102003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	175507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	164537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	82667	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.55	113	46202	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
50) Toluene-d8	10.06	98	215242	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.38	95	81837	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	47776	44.169	ug/l 99
3) Chloromethane	2.03	50	64970	49.594	ug/l 98
4) Vinyl Chloride	2.16	62	72349	48.624	ug/l 100
5) Bromomethane	2.52	94	28707	39.031	ug/l 100
6) Chloroethane	2.66	64	43424	46.044	ug/l 99
7) Trichlorofluoromethane	2.98	101	90960	54.184	ug/l 99
8) Diethyl Ether	3.37	74	36366	51.936	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	53281	49.267	ug/l 100
10) Methyl Iodide	3.91	142	51285	36.899	ug/l 99
11) Tert butyl alcohol	4.73	59	59675	276.007	ug/l 100
12) 1,1-Dichloroethene	3.69	96	50260	46.701	ug/l 97
13) Acrolein	3.56	56	30070	208.701	ug/l 97
14) Allyl chloride	4.27	41	110220	55.235	ug/l 98
15) Acrylonitrile	4.93	53	178878	269.516	ug/l 99
16) Acetone	3.77	43	161003	258.109	ug/l 100
17) Carbon Disulfide	4.01	76	97454	32.781	ug/l 99
18) Methyl Acetate	4.27	43	100530	49.352	ug/l 98
19) Methyl tert-butyl Ether	4.99	73	202250	49.181	ug/l 100
20) Methylene Chloride	4.50	84	60004	47.678	ug/l 98
21) trans-1,2-Dichloroethene	4.99	96	54850	46.804	ug/l 99
22) Diisopropyl ether	5.90	45	239044	51.658	ug/l 99
23) Vinyl Acetate	5.84	43	954654	256.222	ug/l 100
24) 1,1-Dichloroethane	5.80	63	120328	49.769	ug/l 99
25) 2-Butanone	6.79	43	255235	267.246	ug/l 99
26) 2,2-Dichloropropane	6.77	77	92985	45.661	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	66265	48.184	ug/l 98
28) Bromochloromethane	7.15	49	59408	51.842	ug/l 97
29) Tetrahydrofuran	7.17	42	171915	267.220	ug/l 97
30) Chloroform	7.33	83	118600	48.406	ug/l 99
31) Cyclohexane	7.61	56	98357	41.890	ug/l 98
32) 1,1,1-Trichloroethane	7.53	97	101839	47.733	ug/l 99
36) 1,1-Dichloropropene	7.75	75	84477	48.083	ug/l 99
37) Ethyl Acetate	6.88	43	106397	51.657	ug/l 99
38) Carbon Tetrachloride	7.73	117	77981	48.710	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	83855	42.559	ug/l	99
40) Benzene	8.00	78	249752	47.715	ug/l	99
41) Methacrylonitrile	7.12	41	50861	59.474	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	100051	50.456	ug/l	99
43) Isopropyl Acetate	8.13	43	174307	50.993	ug/l	99
44) Trichloroethene	8.80	130	61645	43.566	ug/l	99
45) 1,2-Dichloropropane	9.08	63	70957	50.742	ug/l	97
46) Dibromomethane	9.17	93	43788	50.573	ug/l	98
47) Bromodichloromethane	9.37	83	94982	51.109	ug/l	99
48) Methyl methacrylate	9.17	41	82822	53.693	ug/l	98
49) 1,4-Dioxane	9.17	88	18967	1083.253	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	544619	270.679	ug/l	100
52) Toluene	10.12	92	153171	48.583	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	103258	49.310	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	108031	48.798	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	62260	49.509	ug/l	99
56) Ethyl methacrylate	10.40	69	102664	47.021	ug/l	98
57) 1,3-Dichloropropane	10.68	76	111386	50.391	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	256884	252.363	ug/l	99
59) 2-Hexanone	10.72	43	400460	273.575	ug/l	100
60) Dibromochloromethane	10.87	129	66760	50.688	ug/l	99
61) 1,2-Dibromoethane	10.98	107	61998	49.188	ug/l	98
64) Tetrachloroethene	10.60	164	59504	41.755	ug/l	99
65) Chlorobenzene	11.41	112	159418	48.843	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	59749	51.148	ug/l	99
67) Ethyl Benzene	11.48	91	300117	49.120	ug/l	99
68) m/p-Xylenes	11.60	106	218727	97.803	ug/l	97
69) o-Xylene	11.92	106	104966	48.862	ug/l	98
70) Styrene	11.94	104	182940	50.881	ug/l	99
71) Bromoform	12.10	173	46422	54.071	ug/l #	99
73) Isopropylbenzene	12.22	105	285660	48.174	ug/l	100
74) N-amyl acetate	12.04	43	152037	50.633	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	95181	51.477	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	86677m	50.970	ug/l	
77) Bromobenzene	12.50	156	66693	48.722	ug/l	97
78) n-propylbenzene	12.57	91	341363	48.535	ug/l	99
79) 2-Chlorotoluene	12.65	91	201199	48.669	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	240007	48.903	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	33427	49.918	ug/l	98
82) 4-Chlorotoluene	12.75	91	215412	49.439	ug/l	99
83) tert-Butylbenzene	12.97	119	196105	47.388	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	245483	48.549	ug/l	99
85) sec-Butylbenzene	13.15	105	264452	46.871	ug/l	99
86) p-Isopropyltoluene	13.26	119	236265	46.477	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	121927	48.385	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	121958	47.367	ug/l	99
89) n-Butylbenzene	13.59	91	215213	46.181	ug/l	99
90) Hexachloroethane	13.85	117	31824	58.491	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	117073	48.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	20110	51.497	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	66971	45.516	ug/l	99
94) Hexachlorobutadiene	14.99	225	28700	46.690	ug/l	98
95) Naphthalene	15.11	128	219470	45.801	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	66470	45.757	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

